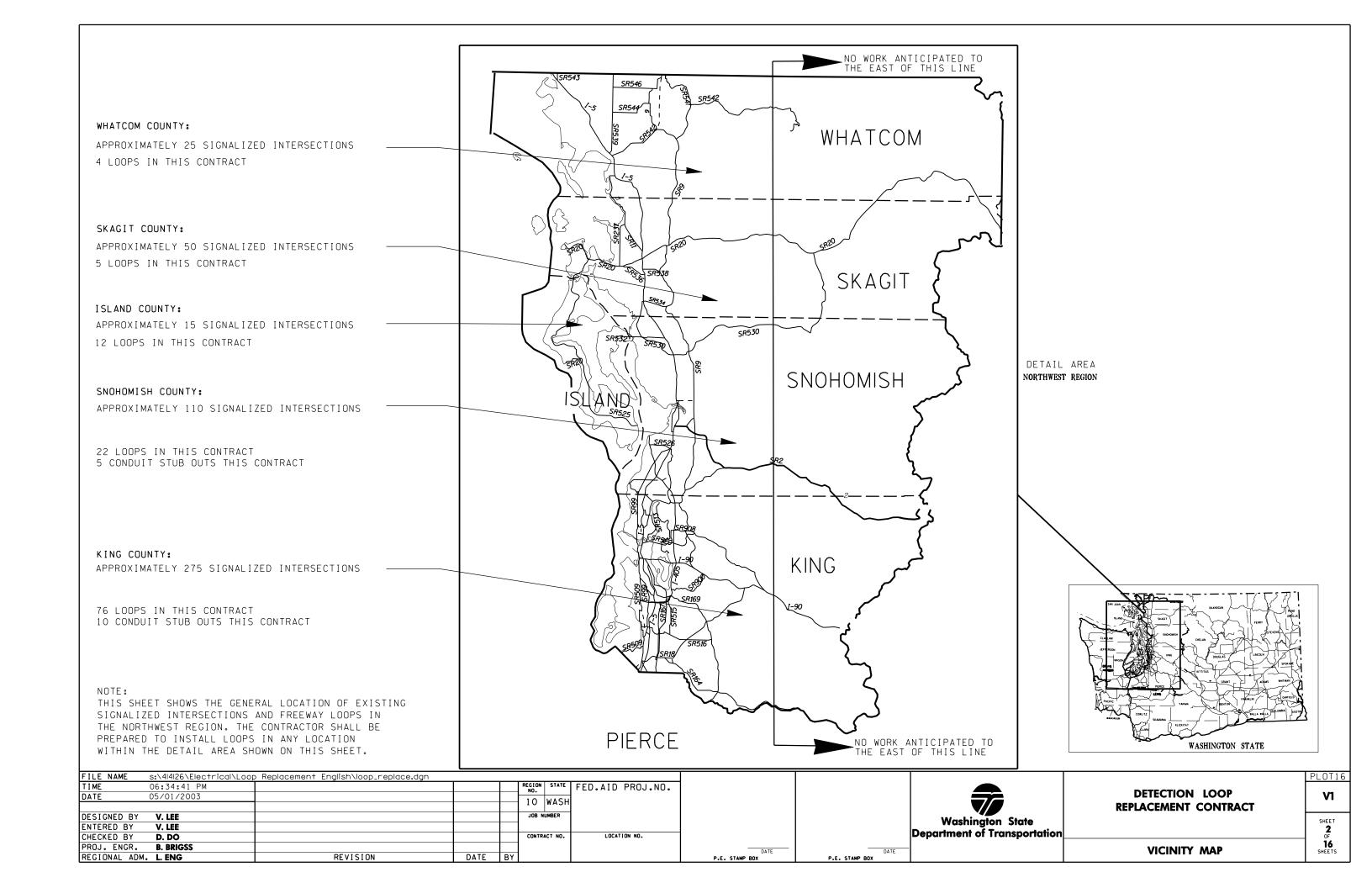
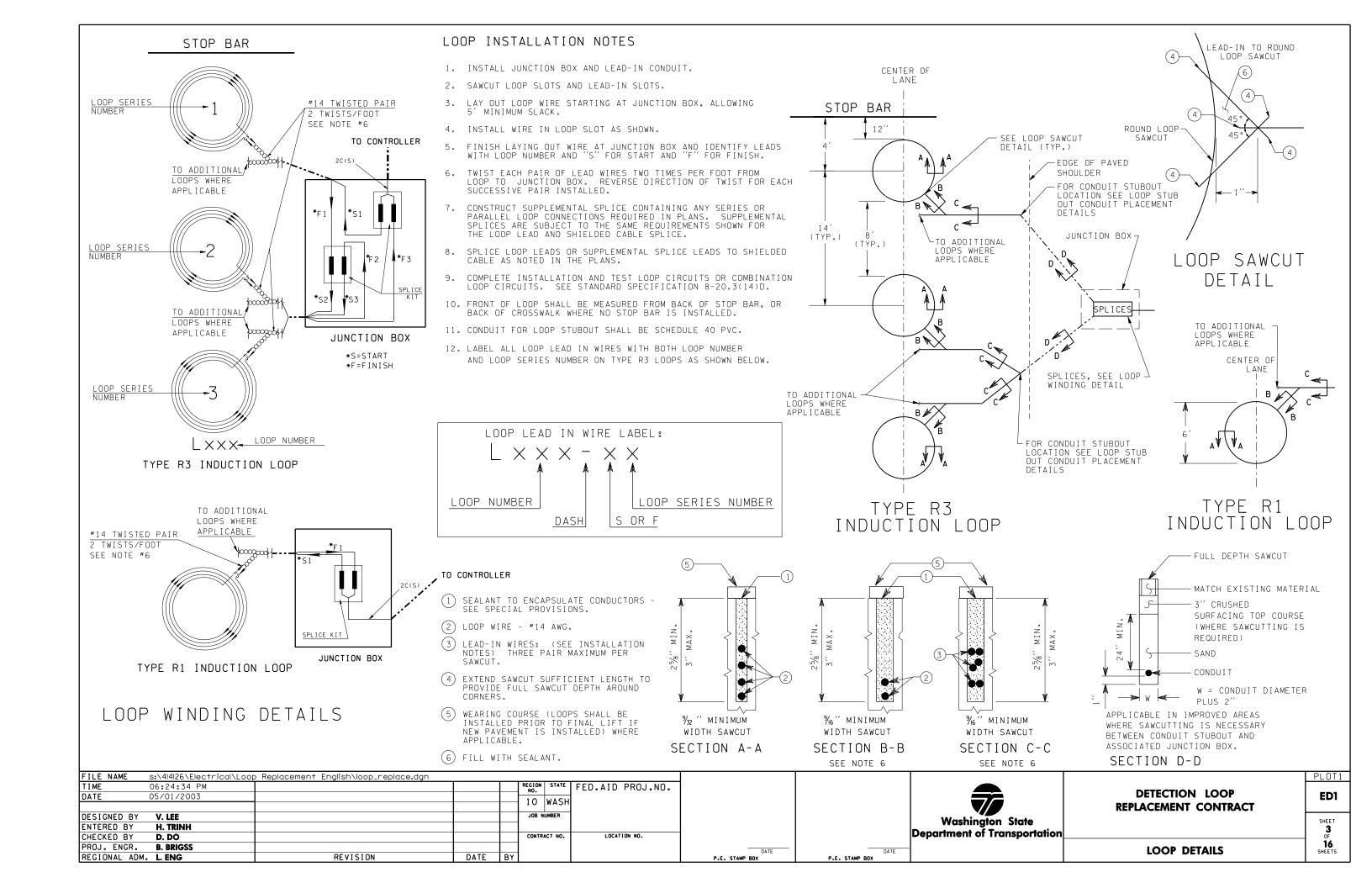
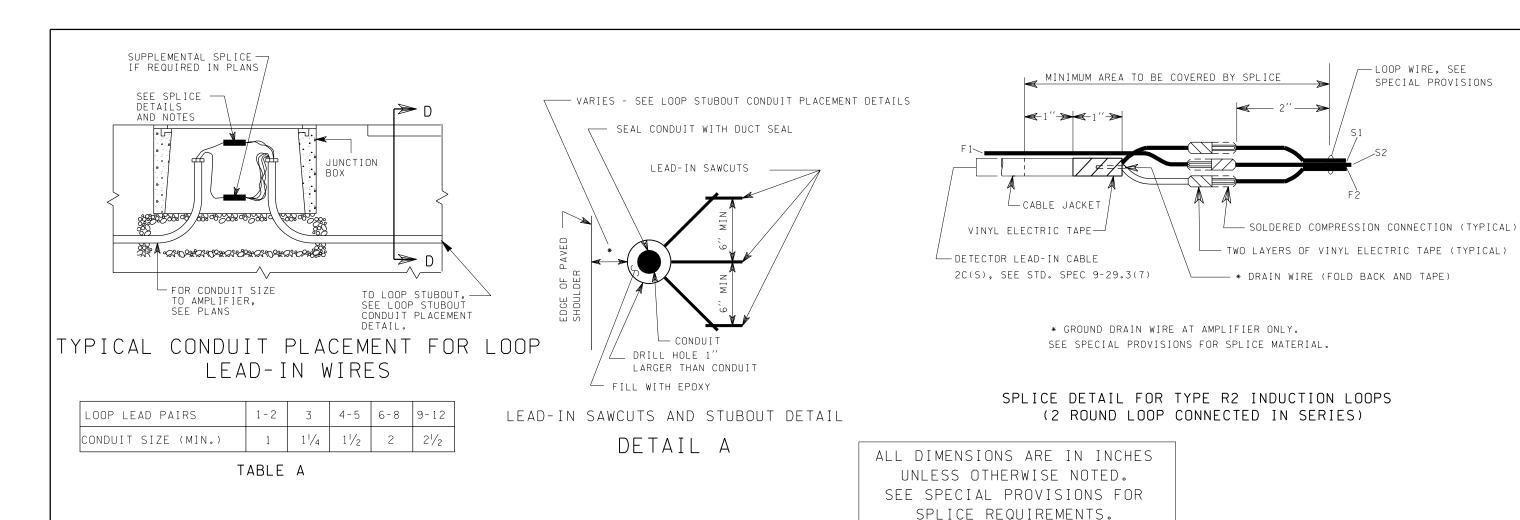
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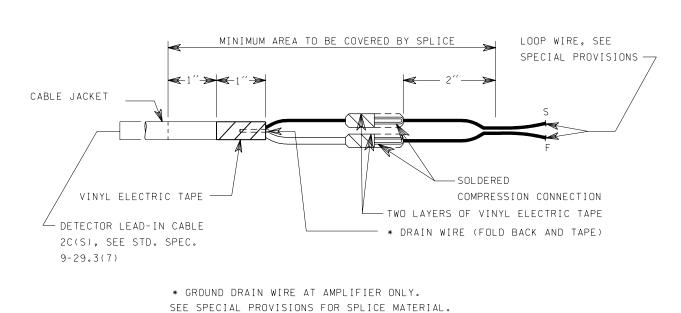
INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.		ΤI	TLE		SHE	ET).	PL REFER NO	AN RENCE).	TITLE	
1 2 3-5 6-16	I1 V1 ED1-ED3 TC1-TC11	INDEX VICINITY MAP LOOP DETAILS TRAFFIC CONTROL PLAN									
						PLAN REFERENCE N	IOTE: ALL	SHEET REFERE	NCES, FIRST NOS. OF STRUCTU	RE CODE DESIGNATIONS	
						NO. SHEET OF SHEETS	AND REFE	MATCH LINE S R TO THE ENT	NCES, FIRST NOS. OF STRUCTU HEET REFERENCES, ETC., THR RY IN THE PLAN REFERENCE NU	OUGHOUT THE PLANS, MBER BOX.	
TIME 06:34:05 DATE 05/01/200 DESIGNED BY V. LEE	PM Replacement E	nglish\loop_replace.dgn		REGION STATE NO. WASH JOB NUMBER	FED.AID PROJ.NO.				Washington State	DETECTION LOOP REPLACEMENT CONTRACT	PLOT15
ENTERED BY V. LEE CHECKED BY D. DO PROJ. ENGR. B. BRIGSS REGIONAL ADM. L. ENG		REVISION	DATE BY	CONTRACT NO.	LOCATION NO.	DATE P.E. STAMP BOX	. P.E.	DATE STAMP BOX	Washington State Department of Transportation	INDEX	1 OF 16 SHEETS









SPLICE DETAIL

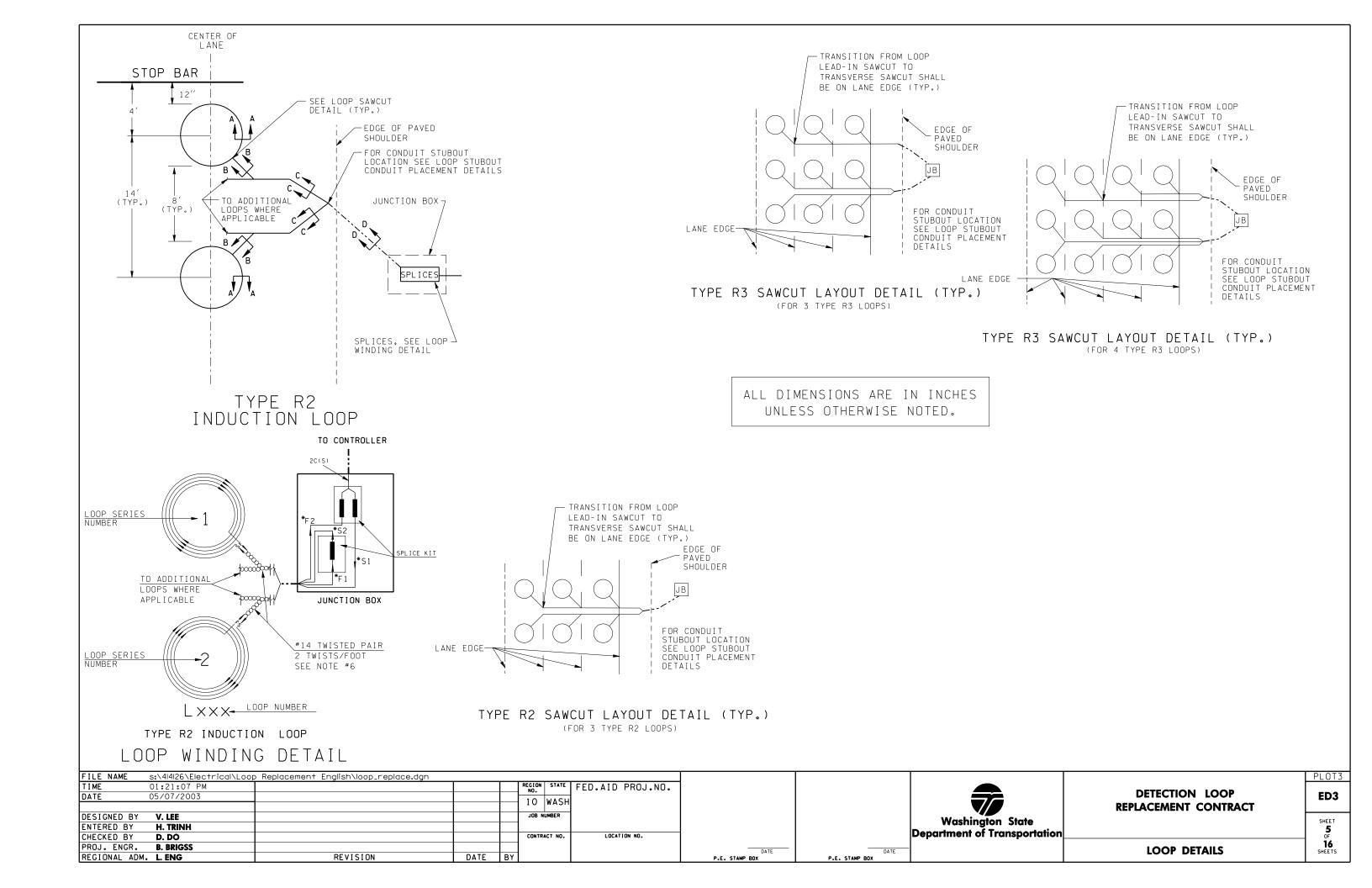
NOTE: SPLICE KITS SHALL BE CENTERED ON CONDUCTORS AND SUFFICIENT SLACK SHALL BE PROVIDED THAT THE SPLICE CAN BE RAISED A MINIMUM OF 18" ABOVE GROUND LINE.

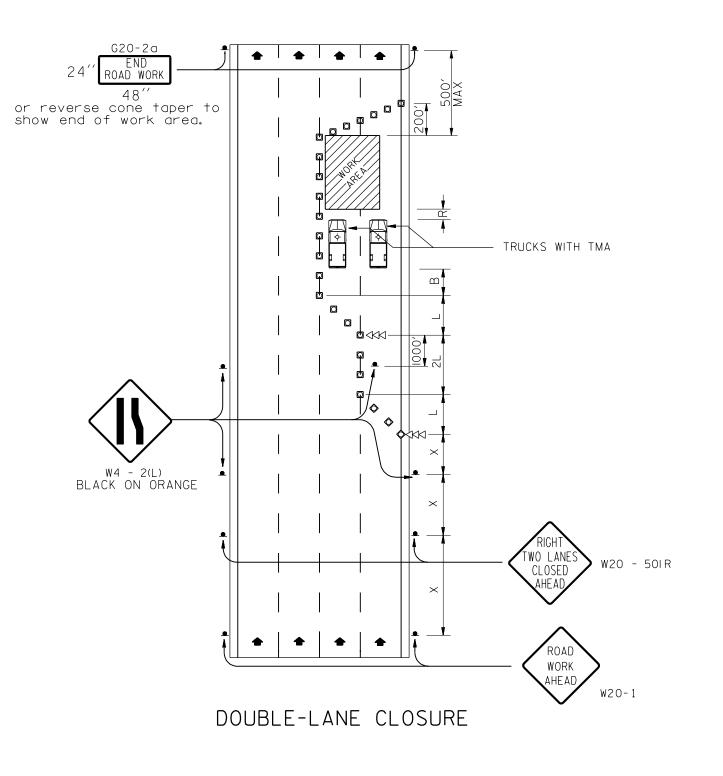
CEMENT CONCRETE CURBS OR GUTTER- SEE STANDARD STUBOUT SHALL EXTEND A MINIMUM 3/4" INTO PAVEMENT. STUBOUT SHALL EXTEND A PAVEMENT DEPTH VARIES .-MINIMUM $\frac{3}{4}$ " INTO PAVEMENT. ΤO PAVEMENT DEPTH VARIES. JUNCTION BOX ΤO JUNCTION BOX SCHED 40 PVC SECURED *SCHED 40 PVC SECURED IN ROAD SURFACE (TYP.) IN ROAD SURFACE (TYP.) EDGE OF PAVED SHOULDER STUBOUT SHALL EXTEND A STUBOUT SHALL EXTEND A MINIMUM $\frac{3}{4}$ " INTO PAVEMENT. MINIMUM 3/4" INTO PAVEMENT. PAVEMENT DEPTH VARIES. PAVEMENT DEPTH VARIES. JUNCTION BOX TO JUNCTION SCHED 40 PVC SECURED SCHED 40 PVC SECURED BOX IN ROAD SURFACE (TYP.) IN ROAD SURFACE (TYP.)

LOOP STUBOUT CONDUIT PLACEMENT DETAILS

* SEE DETAIL A

s:\4|4|26\Electrical\Loop Replacement English\loop_replace.dgn FILE NAME PLOT2 REGION STATE FED.AID PROJ.NO. 01:20:00 PM TIME **DETECTION LOOP** DATE 05/07/2003 ED2 10 WASH REPLACEMENT CONTRACT JOB NUMBER DESIGNED BY V. LEE **Washington State** ENTERED BY H. TRINH **Department of Transportation** CONTRACT NO LOCATION NO. CHECKED BY D. DO 16 PROJ. ENGR. B. BRIGSS LOOP DETAILS REVISION DATE REGIONAL ADM. L. ENG P.E. STAMP BOX P.E. STAMP BOX





□□□ TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

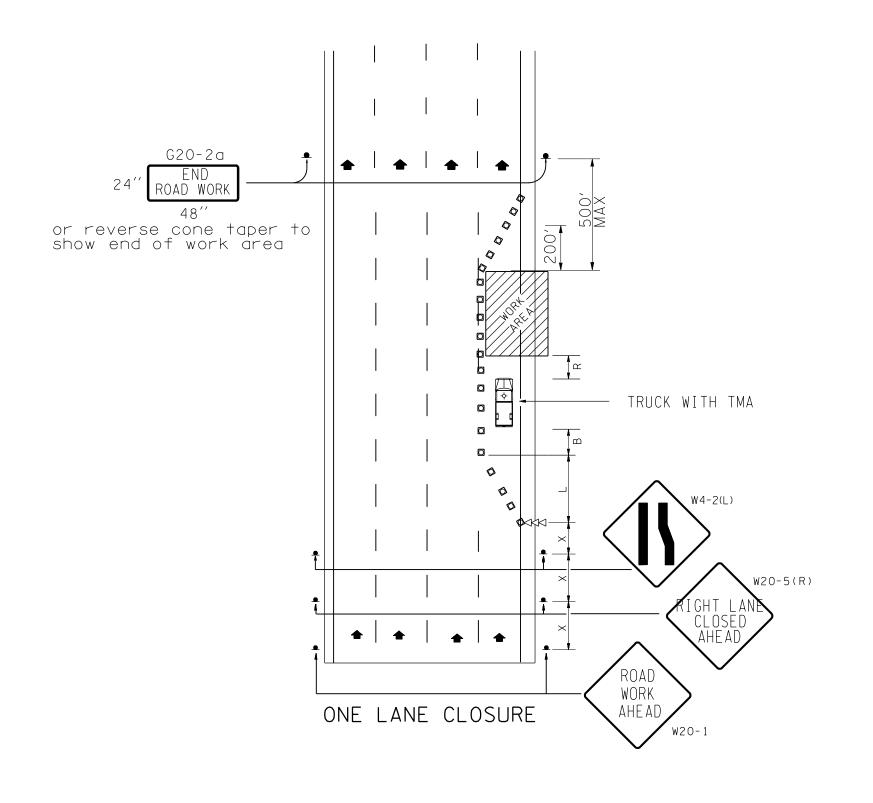
SIGN SP	ACING	; = >	((feet)
FREEWAYS & Expressways	55/70	MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55	MPH	500′ ±
urban arterials	35/40	MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30	MPH	200′ ±

MINIMU	JM 7	ΓΑΡΕ	R L	ENG	ТН	= L	(f	eet)
Lane Width (feet)	25			d Sp∈ 40				60
10	105	150	207	265	450	500	550	-
1 1	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

CHANNELIZIN	G DE	VICE	SPA	CING	(feet)
MPH	Т	APER		1AT	NGENT
50/70		40			80
35/45		30			60
25/30		20			40

BUFFER DATA										
BUFFER SPACE = B										
SPEED (MPH) 25	30 35 40 45	50 55	60 65 70							
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585							
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R							
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)							
4 3455		60-70	100							
4 YARD DUMP TRUCK	24,000	50-55	75							
DOMI TROCK		45	50							
2 TON		60-70	150							
2 TON CARGO TRUCK	15,000	50-55	100							
OMMOO THOOK		45	75							
LTON		60-70	200							
I TON CARGO TRUCK	10,000	50-55	150							
		45 100								
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT							

FILE NAME	s:\4 4 26\Electrical\Loop	Replacement English\loop_replace.dgn									PLOT4
TIME	06:26:43 PM				REGION STATE	FED.AID PROJ.NO.					
DATE	05/01/2003				10 WASH					DETECTION LOOP	TC1
					10 WASH					REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE				JOB NUMBER				Washington State		SHEET
ENTERED BY	H. TRINH								. –		6
CHECKED BY	D. DO				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	B. BRIGGS						— DATE	DATE		TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		IIIAIIIG GONIROL I LAN	5



□□□ TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

SIGN SP	ACING =	X (feet)
FREEWAYS & Expressways	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55 MPH	500′ ±
URBAN ARTERIALS	35/40 MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200′ ±

MINIMUM TAPER LENGTH = L (feet)										
Lane Width (feet)	25	Pc 30				(mph) 50		60		
10	105	150	207	265	450	500	550	-		
1 1	118	167	226	295	495	550	605	660		
12	128	180	246	320	540	600	660	720		

CHANNELIZIN	G DEVICE	SPA	CING	(feet)
MPH	TAPER		1AT	NGENT
50/70	40			80
35/45	30			60
25/30	20			40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25	30 35 40 45	50 55	60 65 70						
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOWN TRUCK		45	50						
0 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
O/IIIIOO TINOON		45	75						
LTON		60-70	200						
ITON CARGO TRUCK	10,000	50-55	150						
		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrical\Loo	p Replacement English\loop_replace.dgn									PLOT5
TIME	06:27:53 PM			RE	EGION STATE	FED.AID PROJ.NO.	1				
DATE	05/01/2003				10 WASH					DETECTION LOOP	TC2
				1	IO WASH					REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE				JOB NUMBER				Washington State		SHEET
ENTERED BY	H. TRINH										7
CHECKED BY	D. DO			٥	CONTRACT NO.	LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	B. BRIGGS						— DATE	DATE		TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		I I I I I I I I I I I I I I I I I I I	5.1.2.13

SIGN SP	ACING = X	(feet)
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55 MPH	500′ ±
URBAN ARTERIALS	35/40 MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200′ ±

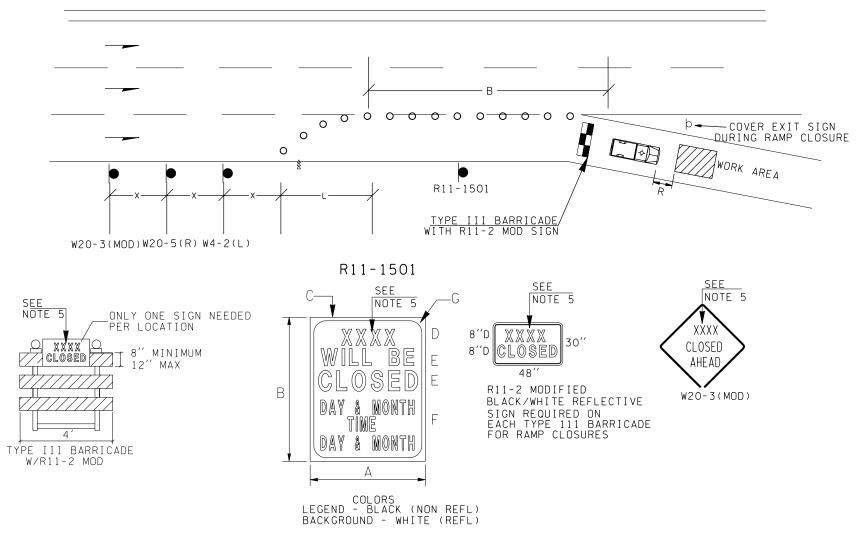
MINIM	JM -	ΓΑΡΕ	ER L	ENG	ТН	= L	(f	eet)
Lane Width (feet)	25			d Spe 40			55	60
10	105	150	207	265	450	500	550	-
1 1	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

CHANNELIZIN	IG DEVICE	SPACING (feet)
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 7									
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPE	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)							
		60-70 100							
4 YARD DUMP TRUCK	24,000	50-55	-70 I00 -55 75						
DUMP IRUCK		60-70							
2 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
CANTOO THOOK		45	415 485 585 NCE = R STATIONARY OPERATION (feet) 100 75 50 150 100 75 200 150 100						
LTON		60-70	200						
ITON CARGO TRUCK	10,000	50-55	150						
CANOO INDON		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

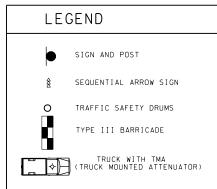
NOTE:

- 1) ACTUAL PLAQUE MESSAGES TO BE DETERMINED BY THE ENGINEER.
- 2) VERIFY SIGN LOCATION WITH ENGINEER.
- 3) SIGN R11-1501 TO BE PLACED FIVE DAYS IN ADVANCE OF THE CLOSURE.
- 4) R11-1501 SIGN TO BE REMOVED DURING CLOSURE.
- 5) USE "EXIT" FOR OFF RAMPS AND "RAMP" FOR ON RAMPS.
- 6) DETOUR FOR RAMP OR EXIT CLOSURES SHALL BE PROVIDED.



DIMENSIONS									
А	В	С	D	E	F	G			
48′′	60′′	0.8"	6′′D	8′′D	5′′C	4′′			

TRAFFIC CONTROL PLAN EXIT AND RAMP CLOSURE



PL0T6 **TC3**

SHEET

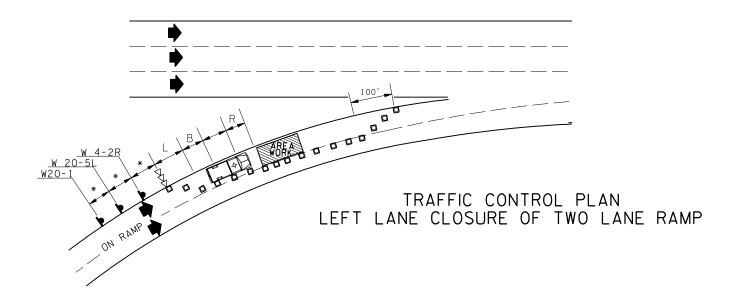
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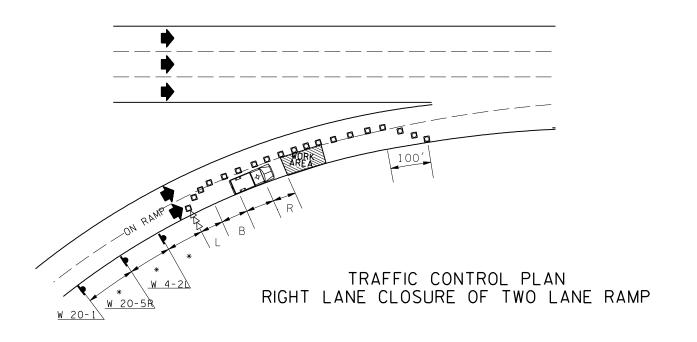
OF

16

SHEETS

FILE NAME	s:\4 4 26\Electrical\Loop	p Replacement English\loop_replace.dgn									TF
TIME	06:28:29 PM			REGIO NO.	ON STATE	FED.AID PROJ.NO.				DETECTION LOOP	
DATE	05/01/2003			10	WASH	1				DETECTION LOOP	
				10						REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE			JOB	B NUMBER				Washington State		
ENTERED BY	H. TRINH										
CHECKED BY	D. DO			CON	TRACT NO.	LOCATION NO.			Department of Transportation		4
PROJ. ENGR.	B. BRIGGS						DATE	DATE	.[TRAFFIC CONTROL PLAN	
REGIONAL ADM	l. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INVITE CONTROL IDAI	







TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

TRUCK WITH TMA

* FOR SIGNING ON RAMPS, THE SPACING SHALL BE "AS AVAILABLE".

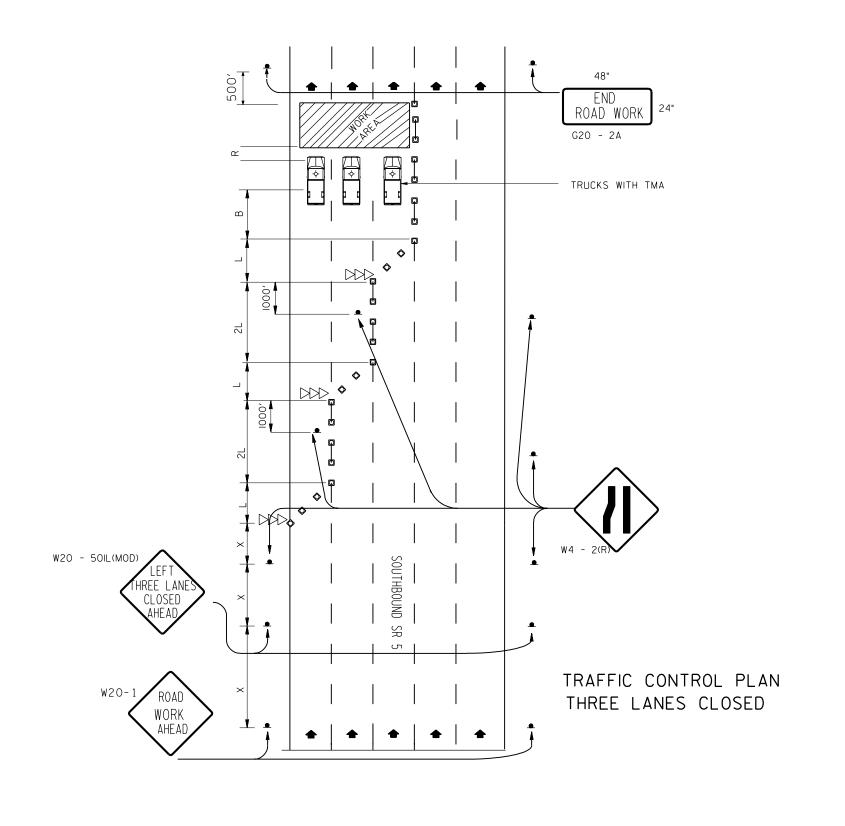
SIGN SP	ACING = X	((feet)
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55 MPH	500′ ±
URBAN ARTERIALS	35/40 MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS		200′ ±

MIN	MUM]	TAP	ER I	ENC	ТН	= L	(f	eet)
Land Widt (fee	h 25	P 30	oste 35					60
10	10	5 150	207	265	450	500	550	-
1 1	11	8 167	226	295	495	550	605	660
12	12	8 180	246	320	540	600	660	720

CHANNELIZIN	G DEVICE	DEVICE SPA		(feet)
MPH	TAPER	TAPER TANGEN		NGENT
50/70	40	40		80
35/45	30	30		60
25/30	20	20		40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70									
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPICAL VEHICLE POSTED STATIONARY TYPE LOADED WEIGHT SPEED OPERATION (LBS) (MPH) (fee+)									
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOWN TROCK		45	50						
0 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
		45	75						
LTON		60-70	200						
I TON CARGO TRUCK	10,000	50-55	150						
Toringo Thook		45 100							
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrica \Loop	Replacement English\loop_replace.dgn									PLOT7
TIME DATE	06:29:05 PM 05/01/2003				REGION STATE 10 WASH	FED.AID PROJ.NO.				DETECTION LOOP REPLACEMENT CONTRACT	TC4
DESIGNED BY ENTERED BY	V. LEE H. TRINH				JOB NUMBER				Washington State		SHEET
CHECKED BY	D. DO				CONTRACT NO.	LOCATION NO.	1		Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS						DATE	DATE	-	TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTROL LEAR	31122.13



□□□□ TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

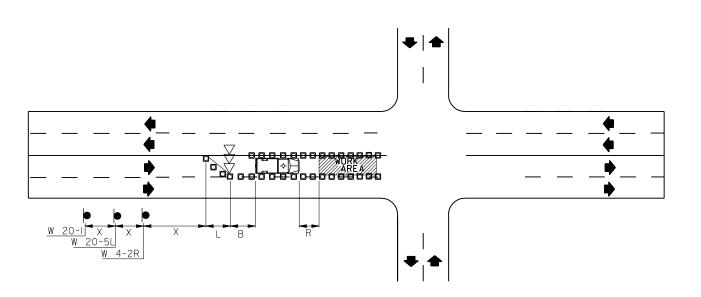
SIGN SP	ACING = X	(feet)
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55 MPH	500′ ±
URBAN ARTERIALS	35/40 MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS		200′ ±

	MINIMU	JM 7	ΓΑΡΕ	R L	ENG	ТН	= L	(f	eet)	
	Lane Width (feet)	Posted Speed (mph) 25 30 35 40 45 50 55 6								
	10	105	150	207	265	450	500	550	-	
	1 1	118	167	226	295	495	550	605	660	
	12	128	180	246	320	540	600	660	720	

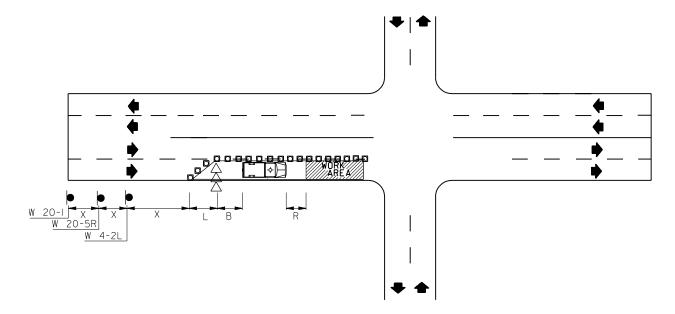
CHANNELIZIN	G	DEVICE	SPA	CING	(feet)	
MPH		TAPER		1AT	NGENT	
50/70		40		80		
35/45		30			60	
25/30		20		40		

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70									
LENGTH (feet) 55			415 485 585						
BUFFER VE	HICLE ROLL AHEA	AD DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOWN TROCK		45	50						
2 TON		60-70	150						
CARGO TRUCK	15,000	50-55	100						
		45	75						
LTON		60-70	200						
I TON CARGO TRUCK	10,000	50-55	150						
		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrica \Loop	p Replacement English\loop_replace.dgn									PLOT8
TIME	06:29:39 PM				REGION STATE	FED.AID PROJ.NO.				DETECTION LOOP	
DATE	05/01/2003			+	10 WASH				72	REPLACEMENT CONTRACT	TC5
DESIGNED BY	V. LEE				JOB NUMBER				Washington State	REI DACEMENT CONTRACT	SHEET
ENTERED BY	H. TRINH										10
CHECKED BY	D. DO				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS						DATE	——————————————————————————————————————		TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	4. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTROL LEAN	5112213



TRAFFIC CONTROL PLAN INTERSECTION ONE LANE CLOSED



TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR LOOP REPLACEMENT

□□□ TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

TRUCK WITH TMA

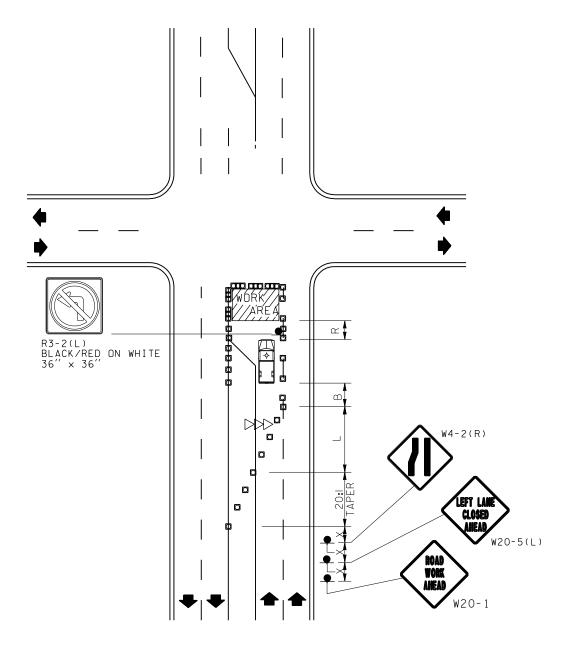
SIGN SP	ACING	= X	(feet)
FREEWAYS & EXPRESSWAYS	55/70	MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55	MPH	500' ±
URBAN ARTERIALS	35/40	MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS		MPH	200′ ±

MINIM	_ ML	ΓΑΡΕ	ER L	ENG	ТН	= L	(f	eet)
Lane Width (feet)	25					(mph) 50	55	60
10	105	150	207	265	450	500	550	-
1 1	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

CHANNELIZING		DEVICE	SPA	CING	(feet)
MPH		TAPER		TANGENT	
50/70		40			80
35/45		30			60
25/30		20			40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70									
LENGTH (fee+) 55 85 120 170 220 280 335 415 485 585									
BUFFER VE	HICLE ROLL AHEA	AD DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOME TRUCK		45	50						
2 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
CANOO INDON		45	75						
LTON		60-70	200						
ITON CARGO TRUCK	10,000	50-55	150						
CANOO INDER		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrical\Loop Replacement English\loop_replace.dgn								PLOT9
TIME	06:30:12 PM		REGION STATE	FED.AID PROJ.NO.					
DATE	05/01/2003		10 WASH	1				DETECTION LOOP	TC6
								REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE		JOB NUMBER				Washington State		SHEET
ENTERED BY	H. TRINH						· •		11
CHECKED BY	D. DO		CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS				DATE	DATE	-	TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	A. L. ENG REVISION	DATE E	3Y		P.E. STAMP BOX	P.E. STAMP BOX		IIIIII CONTROL I LAN	5



TRAFFIC CONTROL PLAN INTERSECTION TWO LANES CLOSED

□ □ □ TRAFFIC SAFETY DRUMS >>> SEQUENTIAL ARROW SIGN

TRUCK WITH TMA

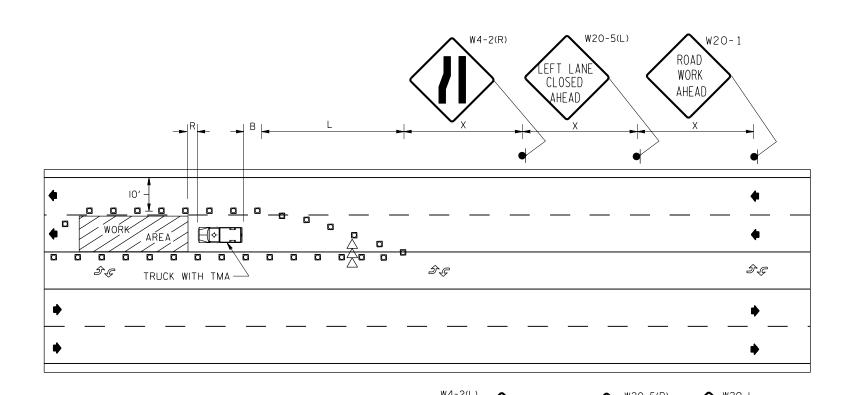
SIGN SP	ACING =	= X (feet)	
FREEWAYS & EXPRESSWAYS	55/70 MI	PH I500'± (OR AS MUTCD)	PER
RURAL ROADS	45/55 MF	PH 500′±	
URBAN ARTERIALS	35/40 MI	PH 350′±	
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MI	PH 200′±	

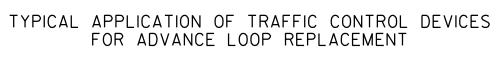
MINIM	[MUM TAPER LENGTH = L (feet)									
Lane Width (feet)	25			d Sp∈ 40				60		
10	105	150	207	265	450	500	550	-		
1 1	118	167	226	295	495	550	605	660		
12	128	180	246	320	540	600	660	720		

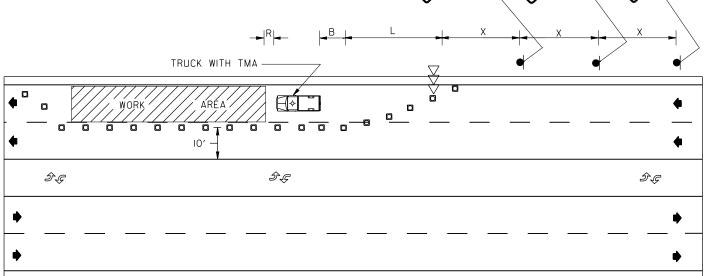
CHANNELIZING		DEVICE	SPA	CING	(feet)
MPH	PH TAPER			TAT	NGENT
50/70		40			80
35/45		30			60
25/30		20			40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25	30 35 40 45	50 55	60 65 70						
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOMI TROCK		45	50						
2 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
		45	75						
LTON		60-70	200						
I TON CARGO TRUCK	10,000	50-55	150						
Lating Tribon		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrical\Loo	p Replacement English\loop_replace.dgn								PLOT10
TIME	06:30:59 PM			REGION S	FED.AID PROJ.NO.				DETECTION LOOP	TC7
DATE	05/01/2003	+		10 W	NSH				REPLACEMENT CONTRACT	TC7
DESIGNED BY	V. LEE			JOB NUME	ER			Washington State	ALI E-GENTEITI GOTTING	SHEET
ENTERED BY	H. TRINH					4		Department of Transportation		12
CHECKED BY PROJ. ENGR.	D. DO B. BRIGGS			CONTRACT	NO. LOCATION NO.					16
REGIONAL ADM		REVISION	DATE	BY		P.E. STAMP BOX	P.E. STAMP BOX		TRAFFIC CONTROL PLAN	SHEETS







TRAFFIC CONTROL PLAN ONE LANE CLOSED

□ □ □ TRAFFIC SAFETY DRUMS DDD SEQUENTIAL ARROW SIGN

TRUCK WITH TMA

SIGN SP	ACING	= X (feet)	
FREEWAYS & EXPRESSWAYS	55/70 M	MPH I500′± (OR MUT(
RURAL ROADS	45/55 M	IPH 500′ ±	
URBAN ARTERIALS	35/40 M	1PH 350′±	
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30 M	1PH 200′±	

MINIM	_ ML	ΓΑΡΕ	ER L	ENC	ТН	= L	(f	eet)
Lane Width (feet)	25				ed 45		55	60
10	105	150	207	265	450	500	550	-
1 1	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

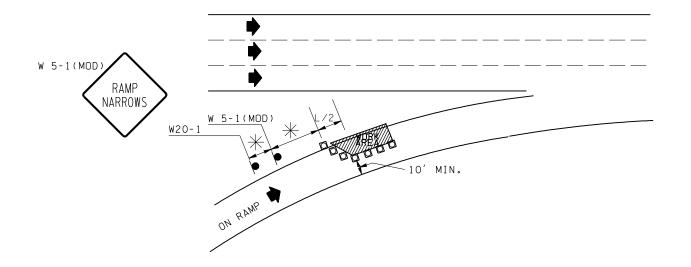
CHANNELIZIN	G DEVICE	SPA	CING	(feet)
MPH	TAPER		TAT	NGENT
50/70	40			80
35/45	30			60
25/30	20			40

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70									
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	AD DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOMI TROCK		280 335 415 485 588 D DISTANCE = R POSTED STATIONARY OPERATION (feet) 60-70 100 50-55 75 45 50 60-70 150 50-55 100 45 75 60-70 200 50-55 150 45 100							
2 TON		60-70	150						
CARGO TRUCK	15,000	50-55	100						
John Co Theore		45	415 485 585 NCE = R STATIONARY OPERATION (feet) 100 75 50 150 100 75 200 150 100						
LTON		60-70	200						
I TON CARGO TRUCK	10,000	50-55	NCE = R STATIONARY OPERATION (feet) 100 75 50 150 100 75 200 150 100						
Lating Tribon		45	100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrical\Loop	Replacement English\loop_replace.dgn								PLOT11
TIME	06:31:27 PM			REGION STA	TE FED.AID PROJ.NO.	1				
DATE	05/01/2003			10 WA	<u> </u>				DETECTION LOOP	TC8
									REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE			JOB NUMBER				Washington State		SHEET
ENTERED BY	H. TRINH							. •		13
CHECKED BY	D. DO			CONTRACT N	D. LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS					DATE	DATE		TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	4. L. ENG	REVISION	DATE	BY		P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTROL LEAR	JIILLIS

RIGHT LANE CLOSED AHEAD

AHEAD



TRAFFIC CONTROL PLAN LANE RESTRICTION ON A ONE LANE LAMP

□□□ TRAFFIC SAFETY DRUMS

DDD SEQUENTIAL ARROW SIGN

* FOR SIGNING ON RAMPS, THE SPACING SHALL BE "AS AVAILABLE".

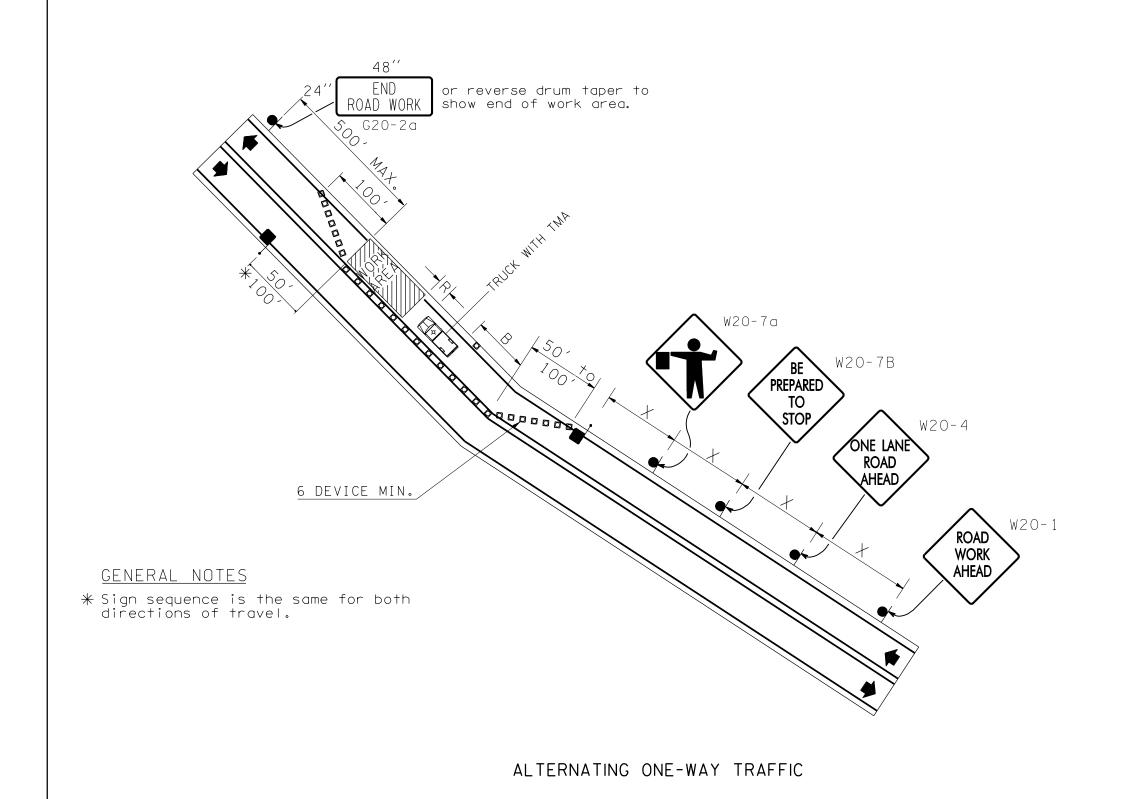
SIGN SP	ACING = X	((feet)
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL ROADS	45/55 MPH	500′ ±
URBAN ARTERIALS	35/40 MPH	350′ ±
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS		200′ ±

MINIM	JM -	ГАРЕ	R L	ENG	ТН	= L	(f	eet)
Lane Width (feet)	25			d Sp∈ 40				60
10	105	150	207	265	450	500	550	-
11	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

CHANNELIZIN	G DEVICE	SPA	CING	(feet)	
MPH	TAPER		1AT	NGENT	
50/70	40		80		
35/45	30			60	
25/30	20			40	

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70									
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED STATIONAR							
4 1/4 5 5		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOMI TRUCK		= B 50 55 60 65 70 280 335 415 485 585 AD DISTANCE = R POSTED STATIONARY SPEED OPERATION (MPH) (feet) 60-70 100							
2 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
0711100 THOON		45	415 485 585 NCE = R STATIONARY OPERATION (feet) 100 75 50 150 100 75 200 150 100 150 100 100 150 100						
LTON		60-70	200						
ITON CARGO TRUCK	10,000	50-55	150						
37.11.00 THOOK		45	415 485 585 NCE = R STATIONARY OPERATION (feet) 100 75 50 150 100 75 200 150 100						
ROLL AHEAD ST	OPPING DISTANCE AS	SSUMES DE	RY PAVEMENT						

FILE NAME	s:\4 4 26\Electrical\Loop	Replacement English\loop_replace.dgn									PLOT12
TIME DATE	06:32:08 PM 05/01/2003				REGION STATE 10 WASH	FED.AID PROJ.NO.				DETECTION LOOP REPLACEMENT CONTRACT	TC9
DESIGNED BY ENTERED BY	V. LEE H. TRINH				JOB NUMBER				Washington State		SHEET 1.4
CHECKED BY	D. DO				CONTRACT NO.	LOCATION NO.]		Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS						— DATE	DATE	-	TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTROL LEAN	3112213



LEGEND

TRAFFIC SAFETY DRUMS

FLAGGER

TRUCK WITH TMA

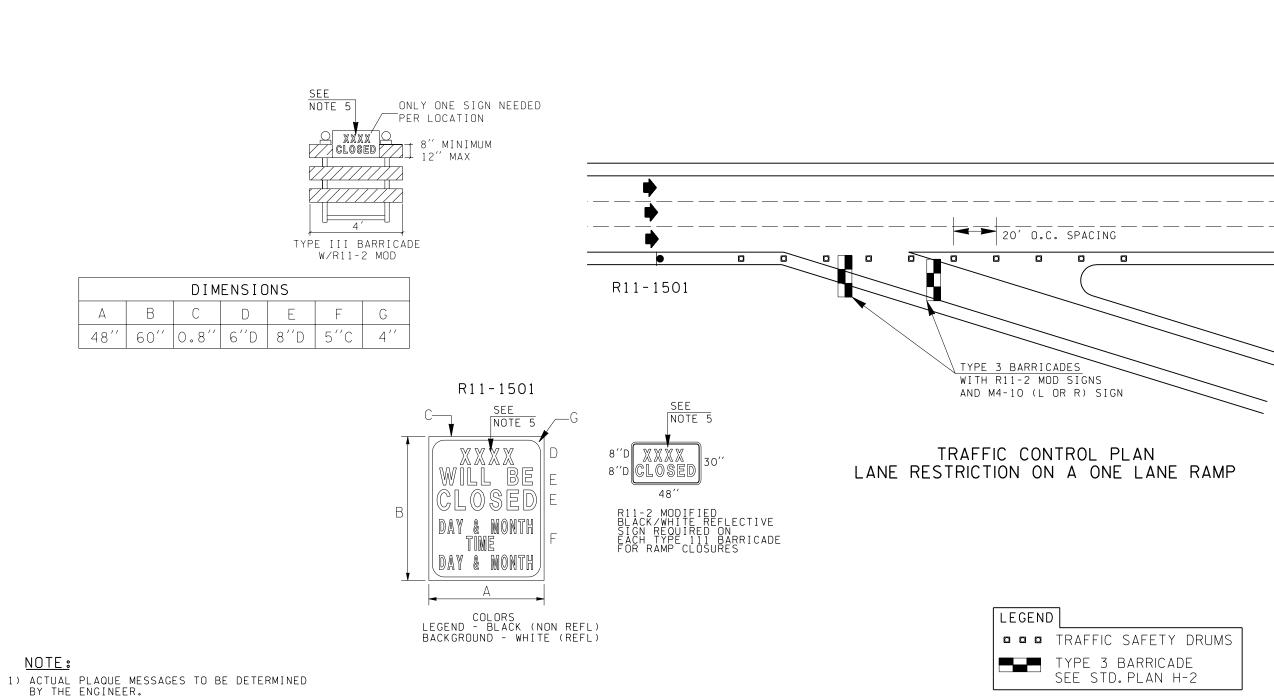
SIGN SP	ACING	= X	(feet)
FREEWAYS & EXPRESSWAYS	55/70	MPH		R AS PER UTCD)
RURAL ROADS	45/55	MPH	500′ ±	
URBAN ARTERIALS	35/40	MPH	350′ ±	
URBAN STREETS RESIDENTIAL & BUSINESS DISTRICTS	25/30	MPH	200′ ±	

MINIM	JM 7	ΓΑΡΕ	ER L	ENG	ТН	= L	(f	eet)
Lane Width (feet)	25					(mph) 50	55	60
10	105	150	207	265	450	500	550	-
1 1	118	167	226	295	495	550	605	660
12	128	180	246	320	540	600	660	720

CHANNELIZING		DEVICE SPA		CING	(feet)
MPH		TAPER		1AT	NGENT
50/70		40			80
35/45		30			60
25/30		20			40

BUFFER DATA									
	BUFFER SPACE	= B							
SPEED (MPH) 25	30 35 40 45	50 55	60 65 70						
LENGTH (feet) 55	85 120 170 220	280 335	415 485 585						
BUFFER VE	HICLE ROLL AHEA	DISTA	NCE = R						
VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (MPH)	STATIONARY OPERATION (feet)						
		60-70	100						
4 YARD DUMP TRUCK	24,000	50-55	75						
DOWN TRUCK		45	50						
2 TON		60-70	150						
2 TON CARGO TRUCK	15,000	50-55	100						
		45	75						
LTON		60-70	200						
I TON CARGO TRUCK	10,000	50-55	150						
TOANGO TROOK		45	100						
ROLL AHEAD ST	ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT								

FILE NAME	s:\4 4 26\Electrical\Loop	Replacement English\loop_replace.dgn									PLOT13
TIME DATE	06:32:46 PM 05/01/2003				REGION STATE 10 WASH	FED.AID PROJ.NO.				DETECTION LOOP REPLACEMENT CONTRACT	TC10
DESIGNED BY ENTERED BY	V. LEE H. TRINH				JOB NUMBER				Washington State		SHEET 15
CHECKED BY	D. DO				CONTRACT NO.	LOCATION NO.]		Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS						— DATE	DATE		TRAFFIC CONTROL PLAN	16 SHEETS
REGIONAL ADM	. L. ENG	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX		INALLIC CONTROL LEAN	3110213



NOTE:

- 2) VERIFY SIGN LOCATION WITH ENGINEER.
- 3) SIGN R11-1501 TO BE PLACED FIVE DAYS IN ADVANCE OF THE CLOSURE.
- 4) R11-1501 SIGN TO BE REMOVED DURING CLOSURE.
- 5) USE "EXIT" FOR OFF RAMPS AND "RAMP" FOR ON RAMPS.
- 6) DETOUR FOR RAMP OR EXIT CLOSURES SHALL BE PROVIDED.

FILE NAME	s:\4 4 26\Electrical\Loop	p Replacement English\loop_replace.dgn								PLOT14
TIME	06:33:31 PM			REGION ST	FED.AID PROJ.NO.				DETECTION LOOP	
DATE	05/01/2003			10 WA	<u></u>				DETECTION LOOP	TC11
									REPLACEMENT CONTRACT	
DESIGNED BY	V. LEE			JOB NUMBE	R			Washington State		SHEET
ENTERED BY	H. TRINH							. – –		16
CHECKED BY	D. DO			CONTRACT	NO. LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	B. BRIGGS					DATE	DATE		TRAFFIC CONTROL PLAN	SHEETS
REGIONAL ADM	M. L. ENG	REVISION	DATE	BY		P.E. STAMP BOX	P.E. STAMP BOX		INVITE CONTROL I EAR] 5.1.6.13